

$$0.0003278 = 3.278E-4$$

$$3.278 \times 10^{-4}$$

$$3.82 \times 10^2 = 382$$

$$48200000 = 4.82E7$$

$$8.673 \times 10^{-4} = 0.0008673$$

$$1.789 \times 10^9 = 1,789,000,000$$

$$\underline{38} \text{ ms} = \underline{0.038} \text{ s}$$

$$0.\underline{14} \text{ km} = \underline{1400} \text{ cm}$$

$$\underline{102} \text{ dL} = \underline{0.0102} \text{ kL}$$

$$17 \underline{\text{kg}} = \underline{17,000,000} \text{ mg}$$

$$21\underline{07} \text{ dam} = \underline{21.07} \text{ km}$$

$$13\underline{128} \text{ mL} = \underline{13.128} \text{ L}$$

$$7726 \underline{\text{dg}} = \underline{772,600} \text{ mg}$$

kilo  $\rightarrow$  k  $\rightarrow 10^3$

hecto  $\rightarrow$  h  $\rightarrow 10^2$

deca  $\rightarrow$  da  $\rightarrow 10^1$

base  $\rightarrow$   $\rightarrow 10^0$

deci  $\rightarrow$  d  $\rightarrow 10^{-1}$

centi  $\rightarrow$  c  $\rightarrow 10^{-2}$

milli  $\rightarrow$  m  $\rightarrow 10^{-3}$

## Scientific Method Worksheet:

1. Independent Variable:

Type of liquid → Qualitative

Dependent Variable

Time → Quantitative

Control(s): Plain water

Constants: temperature of  
freezer, ice tray, amount  
of time in freezer, plates,  
amount of liquid, cube  
shaped

Potential for Errors:

Ice tray cracked?

Amounts of liquids

Temperature of plates

Air temperature of room

Ind: detergent qualitative  
dep: cleanliness of square qualitative

Controls: water (plain)

Constants: amt  $H_2O$ , amt detergent; temp of  $H_2O$  cloth

Error: Size of stain; amt of chocolate; amt of detergent